

ABSTRACT OF THE DISCLOSURE

A receiver device for a mobile radiocommunication unit communicating with a base station via a propagation channel includes a pathfinder for determining the time-delays associated with a multipath signal, a channel estimator supplying an estimate of the propagation channel to a filter unit, which can be made up of a bank of Wiener filters, which optimizes the estimates of the propagation channel, and to a speed estimator that supplies the estimated speed of the mobile radio communication unit to the filter unit so as to select the appropriate filter corresponding to the speed estimate.